

WHAT IS CLAIMED IS:

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1. An optical pick-up device comprising:  
a lens that focuses light onto a recording  
medium;

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a lens holder that holds the lens;  
a suspension holder that supports the lens  
holder disposed opposite a distal end of the lens holder;

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a frame formed so as to be disposed opposite  
both lateral surfaces of the lens holder and the distal  
end of the lens holder, the frame supporting the  
suspension holder;

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a plurality of elastic supports that movably  
support the lens holder, a distal end of the elastic  
supports mounted on the suspension holder and a proximal  
end retained by the lens holder; and

an actuator that drives the lens holder, the  
actuator including a focus coil, a tracking coil and at  
least one magnet,

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wherein a plurality of projections is provided  
on at least one of the lens holder, the frame and the  
suspension holder, the projections acting as stoppers that  
restrict a rotation of the lens holder so as to prevent  
excessive deformation of the elastic supports.

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2. The optical pick-up device as claimed in  
claim 1, wherein the plurality of projections is provided

at least on one of either the lateral surfaces of the lens holder toward the proximal end of the lens holder and lateral surfaces of the frame.

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3. The optical pick-up device as claimed in claim 2, wherein at least one projection is provided at a position proximal of a position at which the plurality of elastic supports support the lens holder.

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4. The optical pick-up device as claimed in claim 3, wherein at least two projections are provided on each of two lateral surfaces of either the frame or the lens holder.

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5. The optical pick-up device as claimed in claim 1, wherein the plurality of projections is provided at least on the lateral surfaces of the lens holder toward the proximal end of the lens holder and on a surface of the suspension holder opposite the distal end of the lens holder.

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6. The optical pick-up device as claimed in claim 1, wherein the elastic supports are cantilever springs.